# Manual

English

ROLLSROLLER
FLATBED APPLICATOR

*let signs be made easy*

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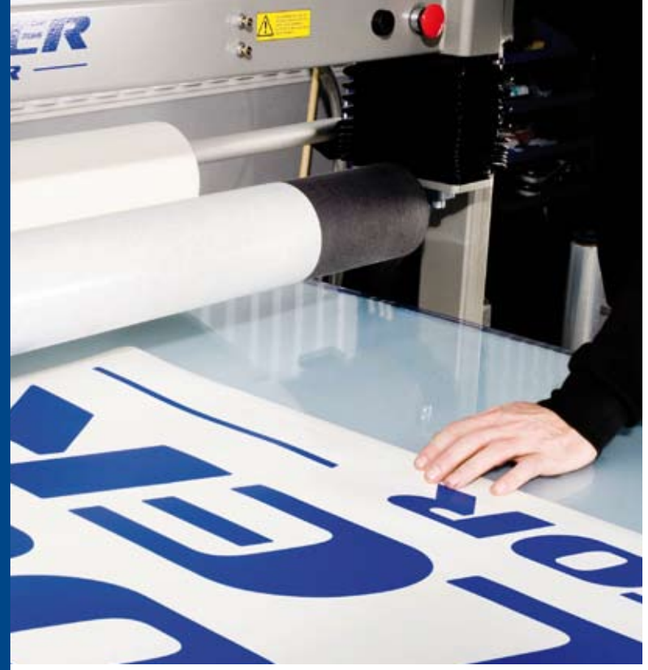


## *Congratulations!*

You have just invested in a flat applicator that will make your work significantly more efficient. The ROLLSROLLER® Flatbed Applicator is easy to operate. However, you should still take the time to read through this manual carefully. This will help you to get the best out of your ROLLSROLLER® Flatbed Applicator and minimise risk of injury to the operator and damage to the machine.

Good luck with your ROLLSROLLER®.

# *General information*

The ROLLSROLLER® Flatbed Applicator is specially designed for applying foil and all types of self-adhesive vinyl (e.g. computer cut lettering and digitally printed designs) to a wide variety of materials including sheet metal, plastic, glass, Kapa board and banners. ROLLSROLLER® is designed for dry application of foil and transfer film, and produces a result completely free of bubbles and creases. The machine consists of a table (flatbed) and a gliding beam with a pneumatically activated roller that is moved manually over the flatbed.

**Before first use of the ROLLSROLLER® Flatbed Applicator, you should carefully read this manual, which contains important instructions, indications and safety information. Failure to read the manual may result in serious injury to operators and damage to the machine.**

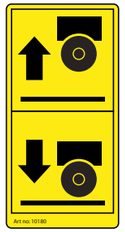
# Summary

# Warning symbols

**To use your ROLLSROLLER® safely, you need to be familiar with the warning symbols in this manual.**

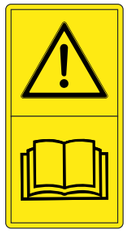
Electrical risks.

Risk of crushing between floor and legs.



Height-adjustable roller.

Risk of crushing between roller and glass panel.



Read the manual.

Contact a technician.

# Safety

When the roller is pneumatically pressed against the flatbed, there is a risk of crushing and catching. Take care when operating the ROLLSROLLER®, especially if more than one operator is using it.

### *Personal safety equipment*
No personal safety equipment is required.

### *Testing of safety functions*
The safety functions should be tested in connection with installation, servicing, maintenance etc. These include the emergency stop function and the mechanical stop function for the glide beam.

### *Remaining risks*
Certain risks cannot be eliminated through technical safety measures alone. There is a risk of crushing and catching when the roller is pneumatically pressed against the flatbed. A warning symbol is displayed on or immediately beside the glide beam. There is a risk of severe crushing and catching when the roller is pneumatically pressed against the supporting bars. Never pressurise the roller without first ensuring that the sign material is positioned underneath the roller.

### *Unauthorised use*
**The machine may only be used for its intended purpose as specified in this manual. All other use may result in damage or injury, and is at the user's own risk.**

### *Emergency situations*
In the event of an emergency, use the available emergency stop functions. When the emergency stop is activated, the pneumatic cylinders are depressurised and return to the idle position (this means that the roller moves upwards). Before the equipment can be used again after an emergency stop, you must switch the control levers to the neutral position, turn the emergency stop knob anti-clockwise and press in the reset button.

A red emergency stop button is located at either end of the glide beam. (ROLLSROLLER® models 280 and 340 have only one emergency stop button located at the centre of the glide beam.)



# Installation, assembly and dismantling

The ROLLSROLLER® Flatbed Applicator should be assembled and used at normal room temperature with normal humidity levels. This minimises the occurrence of static electricity.

### *Delivery inspection*
The following units are included when the machine is delivered:
- Manual
- Scissors
- ROLLSROLLER® Flatbed Applicator

### *Connections*
Voltage: 230 V AC 50 Hz, available in US version 110 V AC 60 Hz

Air connection: max. 8 bar, filtered, moisture-free air. 3–4 bar used during operation.

Electrical connectors may only be connected to sockets with the correct voltage. All other operations may only be performed by authorised staff.

### *Positioning*
The ROLLSROLLER® Flatbed Applicator should be placed on an even, moisture-free, vibration-free surface.

### *Before use*
Clean and lubricate the sliding bars.

### *After use*
Place the roller in the idle position (raised 5 mm above the flatbed).

**ROLLSROLLER® Flatbed Applicator with unmounted glide beam**
Assembly may only be performed by the supplier or staff authorised by the supplier.

**ROLLSROLLER® Flatbed Applicator with mounted glide beam**
1. Remove the protective film/packaging.
2. Remove the strips holding the glide beam in place.

*Lifting instructions*

The ROLLSROLLER® should be lifted with a pallet lift or a forklift fitted with long forks, with a minimum fork length of 1,700 mm and minimum lifting capacity of 1,000 kg (2,200 mm for ROLLS-ROLLER® models 540/220). The forks must be positioned within the specified lifting area (see picture below).

*Oil*

To lubricate the sliding bars, use oil WD 40 or CRC 5-56, or an equivalent oil.
For the compressor P30/6, use oil SINCOM/32E or equivalent.

*Height-adjustable table*

If your ROLLSROLLER® is height-adjustable, use the buttons on the long side of the table to achieve the optimum ergonomic working height.

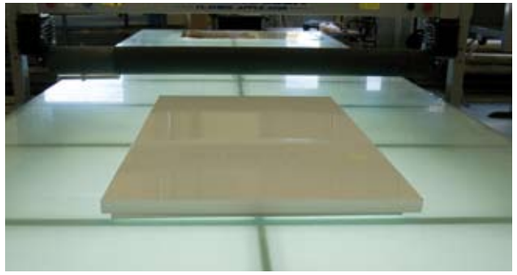
**After adjusting the table's height, you must wait 60 seconds before using the height adjustment function again.**
**If a problem occurs, the height adjustment function can be reset by pressing and holding the "down" button until a click is heard.**



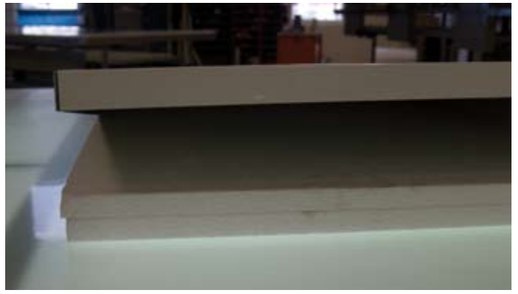
# Handling

No specific training is required to use the ROLLSROLLER® Flatbed Applicator. This user manual contains all the necessary instructions for use.

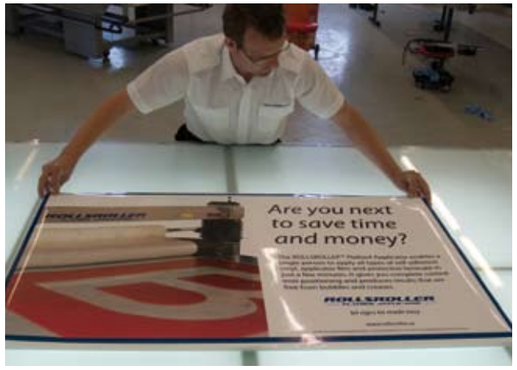
*Application on detached materials*



**1.** For application on thick materials, for instance bent metal sheets, position the material in the centre of the table.



**2.** Place the metal sheet on a section of polystyrene or similar material to stabilise the sign and distribute the pressure.




**3.** Place the graphic on the substrate and measure to the exact size.

**4.** Using the control lever on the top of the machine, press the roller against the substrate to fix the graphic into place.

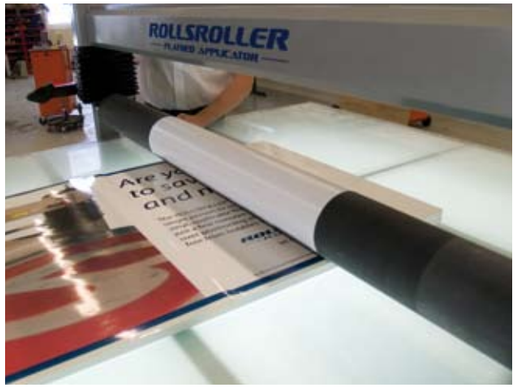
**5.** Fold half of the graphic over the roller.

**6.** Peel off the liner from the half that is above the roller.

**7**. Cut the liner, leaving a surplus border of about 10 cm.

**8.** Fold the liner back underneath the roller to form an even pleat, as shown in picture.

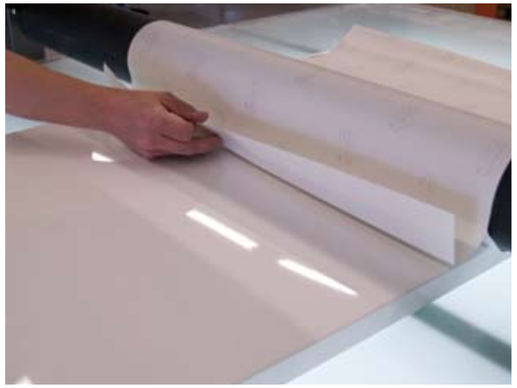





**9.** Apply one half of the graphic to the substrate. When you get right to the edge, raise the roller slightly so that it does not roll onto the table. Always make sure that the graphic is pressed against the roller before starting application.

**10.** Place the glide beam at the point where the liner was cut. Pressurise the roller.

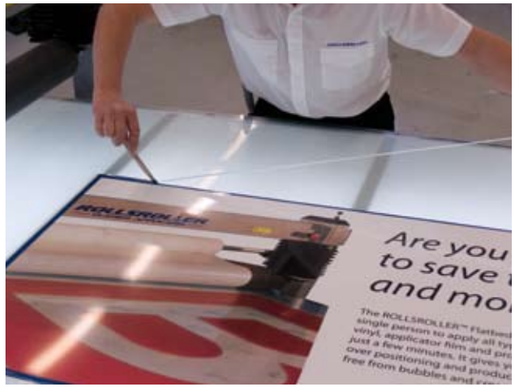
**11.** Fold the other half of the graphic over the roller.



**12.** Take hold of the liner that you folded in from the other side. Move the glide beam over the surface. Always make sure that the graphic is pressed against the roller before starting application.

**13.** Apply the remaining part of the design to the substrate using the roller. Always remember to raise the roller slightly when it gets to the edge.

**14.**




**15.** Trim to size if the graphic is larger than the substrate.

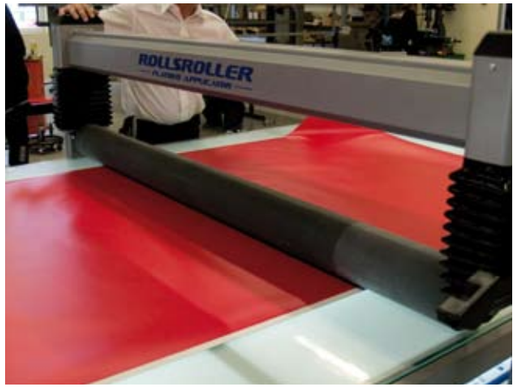
**16.** The result: a smooth sign without creases or bubbles.



*Application of graphic film on flat sign surfaces*

**1.** Place the sign material at the centre of the table and pull the graphic film over the substrate.

**2.** Cut the graphic film to the appropriate length.



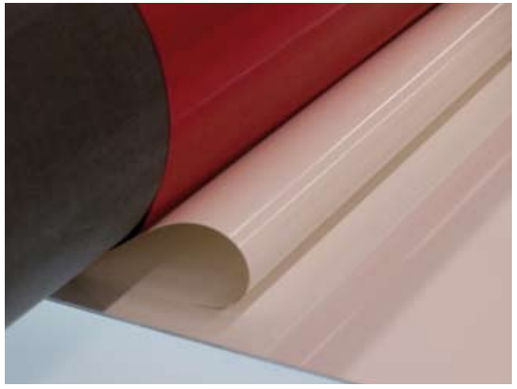

**3.** Press the roller against the substrate to fix the graphic film into place.

**4.** Fold half of the graphic film over the roller.

**5.** Peel off the liner from the graphic film at a 45 degree angle.

**6.** Cut the liner, leaving a surplus border of about 10 cm.

**7**. Fold the liner back underneath the roller ...

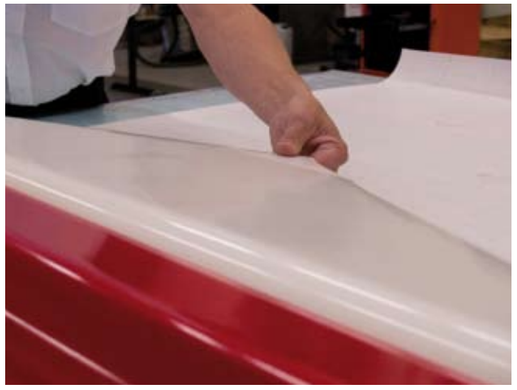


**8.** ... so that it forms an even pleat.

**9.** Apply one half of the graphic film using the roller. Always make sure that the graphic is pressed against the roller before starting application.

**10.** Press the roller down at the point where you cut, and fold the other half of the foil over the roller.

**11**. Take hold of the part of the liner that you folded underneath the roller ...



**12.** ... and peel off the liner.

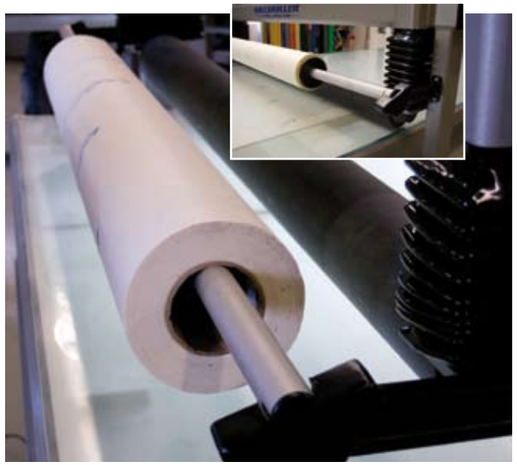
**13.** Apply the other half of the graphic film using the roller. Always make sure that the graphic is pressed against the roller before starting application.

**14.** Trim.

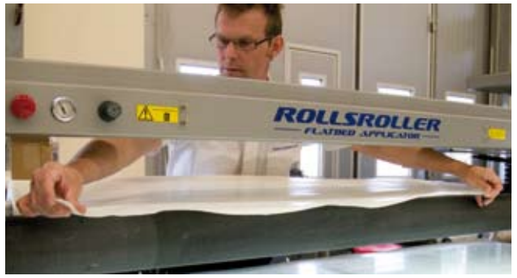
**15.** You have now finished applying the graphic film.



*How to mount application tape*



**1.** Place a roll of application tape in the media holder. Choose whether or not you want to use a core holder.




**2.** Pull out a length of application tape and fold it over the roller.

**3.** Take hold of the application tape underneath the roller ...

**4.** ... and align it with the edge of the roll to ensure even application

**5.** Press the roller down while keeping hold of the roll.

**6.** Move the roller forwards about 10 cm.

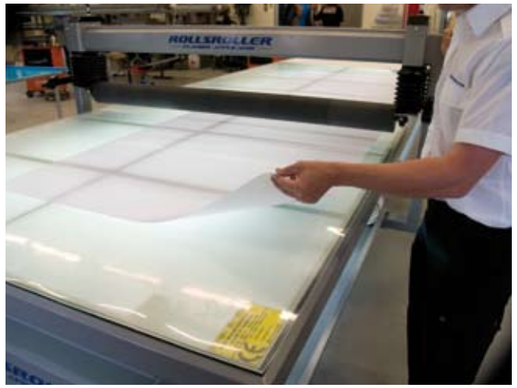
**7**. Place the graphic film beside the application tape.

**8.** Raise the roller and pull it forwards slightly until the roller is positioned above the graphic. Make sure that the graphic is lying flat when you press the roller down. Now apply the tape over the graphic. Stop about 10 cm before reaching the end of the graphic.

**9.** Trim before applying the last piece of tape. If you are applying tape to several graphics simultaneously, raise the roller and repeat the first steps in the same way as for the first graphics.

**10.** Push the glide beam back, press the roller down and apply the last piece of tape in the opposite direction.

**11.** Trim.




**1.** Flatten the substrate using the roller.

**2.** Place the graphic on the substrate and measure to the exact size.

**3**. Press the roller down to fix the graphic into place.

**4**. Fold half of the graphic over the roller.

**5.** Peel off the liner.

**6.** Cut the liner, leaving a surplus border of about 10 cm.

**7.** Fold the liner underneath the roller. Make sure it forms an even pleat.

**8.** Apply half of the graphic using the roller. Press the roller down against the substrate.

**9.** Fold the other half over the roller.

**10.** Take hold of the piece of liner you folded underneath the roller.

**11.** Apply the other half of the graphic using the pressurised roller.

**12.** Remove the application tape, using the roller to hold the material in place.



*Adjustment of the roller speed*

If you want the roller to move faster or slower, you can adjust the speed. Please note that this is normally not necessary, since the roller speed is preset at the factory.

**Contact a technician.**

**1.** Use the two adjustment screws on either side of the glide beam. Unfasten the grooved lock nut. The lower screw reduces the speed and the upper screw increases the speed. Adjust the screws to the desired speed on one side. Change sides and adjust on the other side so that the roller can be lowered flat against the table. Lock with the lock nut.

# Maintenance

*Every day*
- Make sure that the roller is not damaged and has nothing stuck to it.
- Check the emergency stop function and controls.

*Once a week*
- Wipe any dust off the glide beam's sliding bar.

*Once a month*
- Lubricate the sliding bar's slide surfaces.
- If your ROLLSROLLER has a compressor, see enclosed manual for maintenance instructions.

*As necessary*
- Check the bearing play in the glide beam (contact a technician).
- Dust the cutting mat with talcum powder. (The cutting mat is dusted with talcum powder at the factory, but should be dusted again when it is turned, to prevent vinyl or other materials from fastening on the mat. Spread talcum powder on the mat and distribute it with a window scraper. Vacuum or sweep off any surplus talcum powder and wipe the mat with a dry cloth.)

# Troubleshooting

*The rubber roller won't move up and down*
Reset the emergency stop function
Reset the controls
Activate the reset button
Check the air connections
If none of this helps, contact a technician.

*The machine pulls unevenly during application*
Contact a technician.

*The table's height adjustment function doesn't work*
If there are problems with the height adjustment function, you can reset the function by pressing and holding the "down" button until a click is heard.
If this doesn't help, contact a technician.

# Repairs

Contact a technician.

**You should first try contacting a technician through the dealer where you bought your ROLLSROLLER®.**
**If this is not possible, contact ROLLSROLLER® Technical Service, phone +46 54 770 70 70.**

**The equipment may only be used for its intended purpose as specified in this manual. All other use may result in damage or injury, and is at the user's own risk.**

# Spare parts

You can download a list of spare parts at www.rollsroller.se. Alternatively, contact the dealer where you bought your ROLLSROLLER.



*Technical specifications*

| | ROLLSROLLER® 280/145 MDF | ROLLSROLLER® 280/145 | ROLLSROLLER® 340/145 |
|---|---|---|---|
| Overall length | 2 800 mm | 2 800 mm | 3 400 mm |
| Overall width | 1 710 mm | 1 710 mm | 1 710 mm |
| Bed width | 1 450 mm | 1 450 mm | 1 450 mm |
| Overall height | 1 520 mm | 1 520 mm | 1 520 mm |
| Length of working area | 2 500 mm | 2 500 mm | 3 100 mm |
| Width of working area/roller width | 1 400 mm | 1 400 mm | 1 400 mm |
| Max. thickness of sign substrate (standard)* | 60 mm | 60 mm | 60 mm |
| Working height, standard model | 920 mm | 920 mm | 920 mm |
| Weight | 170 kg | 270 kg | 320 kg |
| Bed surface | MDF | glass | glass |
| Cutting mat, 4 mm | yes | yes | yes |
| Side pockets | no | no | no |
| Illumination | not illuminated | 6x36W fluorescent | 9x36W fluorescent |
| Voltage | - | 230 volt/50 Hz ** | 230 volt/50 Hz ** |
| Air pressure | 6–8 bar required | 6–8 bar required | 6–8 bar required |
| Media holder for end of bed | optional | optional | optional |
| Height-adjustable, 750–1,100 mm | optional | optional | optional |
| Additional glide beam with roller | - | - | - |
| Low-noise compressor, 45 db | optional | optional | optional |

* The roller height is adjusted pneumatically (max. 60 mm) and moved manually across the working area. The operator can stand on either side of the table. Rollers that can be adjusted to handle materials thicker than 60 mm (max. 100 mm) can be supplied on request (does not apply to ROLLSROLLER® 280 and 340).

** Available in US version with 110 V AC 60 Hz.

## *Technical specifications*

| | ROLLSROLLER® 400/150 | ROLLSROLLER® 400/170 | ROLLSROLLER® 540/170 |
|---|---|---|---|
| Overall length | 4 000 mm | 4 000 mm | 5 400 mm |
| Overall width | 1 760 mm | 1 960 mm | 1 960 mm |
| Bed width | 1 500 mm | 1 700 mm | 1 700 mm |
| Overall height | 1 520 mm | 1 520 mm | 1 520 mm |
| Length of working area | 3 600 mm | 3 600 mm | 5 000 mm |
| Width of working area/roller width | 1 400 mm | 1 630 mm | 1 630 mm |
| Max. thickness of sign substrate (standard)* | 60 mm | 60 mm | 60 mm |
| Working height, standard model | 920 mm | 920 mm | 920 mm |
| Weight | 650 kg | 725 kg | 800 kg |
| Bed surface | glass | glass | glass |
| Cutting mat, 4 mm | yes | yes | yes |
| Side pockets | yes | yes | yes |
| Illumination | 9x36W fluorescent tubes | 12x36W fluorescent tubes | 16x36W fluorescent tubes |
| Voltage | 230 volt/50 Hz ** | 230 volt/50 Hz ** | 230 volt/50 Hz ** |
| Air pressure | 6–8 bar required | 6–8 bar required | 6–8 bar required |
| Media holder for end of bed | yes | yes | yes |
| Height-adjustable, 750–1,100 mm | optional | optional | optional |
| Additional glide beam with roller | optional | optional | optional |
| Low-noise compressor, 45 db | optional | optional | optional |

* The roller height is adjusted pneumatically (max. 60 mm) and moved manually across the working area. The operator can stand on either side of the table. Rollers that can be adjusted to handle materials thicker than 60 mm (max. 100 mm) can be supplied on request (does not apply to ROLLSROLLER® 280 and 340).

** Available in US version with 110 V AC 60 Hz.



## *Technical specifications*

| | ROLLSROLLER® 540/220 | ROLLSROLLER® 605/170 | ROLLSROLLER® 1080/170 |
|---|---|---|---|
| Overall length | 5 400 mm | 6 050 mm | 10 080 mm |
| Overall width | 2 460 mm | 1 960 mm | 1 960 mm |
| Bed width | 2 200 mm | 1 700 mm | 1 700 mm |
| Overall height | 1 520 mm | 1 520 mm | 1 520 mm |
| Length of working area | 5 000 mm | 5 650 mm | 10 400 mm |
| Width of working area/roller width | 2 050 mm | 1 630 mm | 1 630 mm |
| Max. thickness of sign substrate (standard)* | 60 mm | 60 mm | 60 mm |
| Working height, standard model | 920 mm | 920 mm | 920 mm |
| Weight | 950 kg | 850 kg | 1 630 kg |
| Bed surface | glass | glass | glass |
| Cutting mat, 4 mm | yes | yes | yes |
| Side pockets | yes | yes | yes |
| Illumination | 20x36W fluorescent tubes | 16x36W fluorescent tubes + 4x18W fluorescent tubes | 32x36W fluorescent tubes |
| Voltage | 230 volt/50 Hz ** | 230 volt/50 Hz ** | 230 volt/50 Hz ** |
| Air pressure | 6–8 bar required | 6–8 bar required | 6–8 bar required |
| Media holder for end of bed | yes | yes | yes |
| Height-adjustable, 750–1,100 mm | optional | optional | optional |
| Additional glide beam with roller | optional | optional | optional |
| Low-noise compressor, 45 db | optional | optional | optional |

* The roller height is adjusted pneumatically (max. 60 mm) and moved manually across the working area. The operator can stand on either side of the table. Rollers that can be adjusted to handle materials thicker than 60 mm (max. 100 mm) can be supplied on request (does not apply to ROLLSROLLER® 280 and 340).

** Available in US version with 110 V AC 60 Hz.

# ROLLSROLLER
## FLATBED APPLICATOR

ROLLSROLLER® is manufactured by Reklamidé
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Patent registration numbers: SE 9702032-5, AU 730769, CA 2, 289, 469, CH 0986459, CN ZL 98805672.0, DE 69826655.0-08, EU, F, I, GB 0 986 459, E ES2230695T3, GR 20040404376, Il 132849, MX 209756, N 315014, RU 2220050, TR 199902925B, USA 6, 102, 096, 6, 406, 582

Januari 2009

**www.rollsroller.se**